

Claims

1. Device for removing and smearing cells for a cytological examination with a handle at whose front end a device for the collection of the cells is arranged, characterized in that the device (2) is embodied as a cone tapering towards the front, in which a stabilizing device (23) acting in the longitudinal extension of the cone is arranged.
2. Device according to claim 1, characterized in that the device (2) is arranged so that it can rotate relative to the handle (1).
3. Device according to claim 1 or 2, characterized in that the device (2) features a foam material layer on its outer side (12).
4. Device according to one of the previous claims, characterized in that the device (2) is composed of foam material.
5. Device according to one of the previous claims, characterized in that the device (2) is embodied as a cap that is arranged or fixed on a carrier (3).
6. Device according to claim 5, characterized in that the carrier (3) features a base surface (31) whose diameter is smaller than the diameter of the base surface (11) of the device (2).
7. Device according to claim 5, characterized in that the carrier (3) a base surface (31) with a diameter of 9 mm to 11 mm, preferably 10 mm, and the diameter of the device (2) is 12 mm to 18 mm, preferably 15 mm.
8. Device according to one of the previous claims, characterized in that a locking mechanism (4) is provided for the torsionally rigid positioning of the device (2) on the handle (1).

9. Device according to claim 8, characterized in that the locking mechanism (4) is embodied as a positive engagement element that can be pushed along the longitudinal extension (5) of the handle, which element in the locked position engages in at least one correspondingly embodied recess (6).
10. Device according to claim 8 or 9, characterized in that the positive engagement element (4) is embodied as a flattening, a shoulder, a projection, or a toothing in the sawtooth profile.
11. Device according to claim 9 or 10, characterized in that a spring element loads the positive engagement element (4) in the unlocking direction.
12. Device according to one of claims 3 through 11, characterized in that the carrier (3) is pivoted relative to the handle (1) and features either a positive engagement element (4) or a recess (6).
13. Device according to one of the preceding claims, characterized in that the handle (1) features an angular cross-section or a round cross-section with a structured surface.
14. Device according to one of the preceding claims, characterized in that the stabilization (23) is embodied as a tip projecting into the cone (2), which tip is surrounded on all sides by a foam material.
15. Device according to one of the preceding claims, characterized in that the device (2) features a foam material for the cell collection with a pore number of 25 to 40 ppi, preferably 32 to 36 ppi, especially preferably 34 ppi.
16. Device according to one of the preceding claims, characterized in that the device (2) features a foam material for the cell collection with a

compressive strength of 2 to 6 kPa, preferably 3 to 5 kPa, especially preferably 4 kPa.

17. Device according to one of the preceding claims, characterized in that the device (2) features a cone angle of 20° to 35°, preferably 25° to 30°, especially preferably 27°.
18. Device according to one of the preceding claims, characterized in that the stabilization (23) features a length of 85% to 95%, preferably 87% to 93%, especially preferably 90%, of the length of the device (2).
19. Device according to one of the preceding claims, characterized in that the handle (1) features a predetermined breaking point (9).
20. Device according to one of the preceding claims, characterized in that the handle (1) features a diameter of 3 mm to 8 mm, preferably 4 mm to 7 mm, especially preferably 5 mm to 6 mm.
21. Device according to one of the preceding claims, characterized in that the handle (1) features a total length (91) of 150 mm to 250 mm, preferably 180 mm to 220 mm, especially preferably 200 mm.